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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LI et al

Serial No. 10/535,634

Filed: May 20, 2005

OCT 1 3 2005 W

Atty. Ref.: 36-1901

TC/A.U.: Unknown

Examiner:

For: METHOD AND SYSTEM FOR GENERATING PANORAMIC

IMAGES FROM VIDEO SEQUENCES

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October 13, 2005

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Attention is directed to the attached UK and EPO Search Reports in a counterpart of this application (or one of related applications 10/535,420 or 10/535,621 and to a copy of each non-US patent document newly cited therein. A Form PTO-1449 is also attached.

Official consideration and citation of all identified documents is requested.

Also attached is a list of references identified by an inventor of at least one of these related cases. If a copy of any such reference is desired, please let the undersigned know and a copy will be provided if available.

Respectfully submitted,

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INITIAL	DOCUMENT NUMBER	DATE 07/1007 I	000000000000000000000000000000000000000	NAME Heisler et al	CLASS	SUBCLASS L	IF APPRO	<u> PRIATE</u>		
/J.P./	6275527 B1	08/2001		Bist et al.						
/J.P./	5717470	02/1998		Jung				-		
/J.P./	6442204	8/2002		Snook et al.	h					
/J.P./	2002/0131502	9/2002		Monro et al.			-			
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		FOR	EIGN PATEN	T DOCUMENTS			TRANSI	LATION		
	DOCUMENT	DATE		COUNTRY	CLASS	SUBCLASS	YES	NO		
/J.P./	2349027 A	10/2000		Great Britian						
/J.P <u>.</u> /	0907144 A2	04/1999		Europe						
/J.P./	0825778 A2	08/1997		Europe						
/J.P./	WO 01/95632 A2	12/2001		WIPO						
/J.P./	0652678	5/1995		Europe			-	<u> </u>		
/J.P./	0689359	12/1995		Europe				-		
	OTHER DOCI	IMENTS (in	cluding Auth	or Title Date Perti	nent nages e	tc \		<u> </u>		
/J.P./	OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) International Search Report dated 6 September 2004									
/J.P./	Irani et al., "Efficient Representations of Video Sequences and Their Applications", SIGNAL PROCESSING. IMAGE COMMUNICATION, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, nl, Vol. 8, No. 4, 1 May 1996, pages 327 351, XP000586005									
/J.P./	Smolic et al., "Long-Term Global Motion Estimation and its Application for Sprite Coding, Content Description, and Segmentation", IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS, FOR VIDEO TECHNOLOGY, IEEE INC. NEW YORK, US, Vol. 9, No. 8, December 1999, pages 1227-1242, XP0009333894									
/J.P./	Jones et al., "Building M THE INTERNATIONA							GS OF		
*Examiner	/James Pontius/			Date Considered	06/15	06/15/2009				

INFORMATION DISCLOSURE CITATION		36-1901 0CT 1	3 2005 W	\$ L NO. 10/535,634					
				10/000,001					
		LI et al							
(Use	several sheets if necessary)	FILING DATE		TC/A.U.					
	101 2	May 20, 2005		Unknown					
/J.P./	COMPUTER VISION, F			osaicing and Video Representation AMBRIDGE, MA, USA, IEEE CO					
/J.P./	UK Search Report of Ma	y 7, 2003							
/J.P./	International Search Rep								
/J.P./	Tan et al., "Rapid Estimation of Camera Motion from Compressed Video With Application to Video Annotation", IEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE INC. NEW YORK, US, Vo. 10, No. 1, February 2000, pages 133-146, ISSN: 1051-8215								
/J.P./	Rousseeuw, "Least Median of Squares Regression", JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION AMERICAN STATISTICAL ASSOCIATION, NEW YORK, US, Vol. 79, No. 388, December 1984, pages 871-880, XP008024952, ISSN: 0162-1459								
/J.P./	PROCEEDINGS 2000 II PROCEEDINGS OF 7 TH	TERNATIONAL CONFERENCE	CE ON IMAGE P FERENCE ON IN	otion Vectors for MPEG-7 Applic ROCESSING (CAT. NO. 00CH3 MAGE PROCESSING, VANCOU	7101).				
/J.P./	Pilu, "On Using Raw MPEG Motion Vectors to Determine Global Camera Motion", PROC. SPIE - INT. SOC. OPT. ENG (USA), VISUAL COMMUNICATIONS AND IMAGE PROCESSING '98, SAN JOSE, Vol. 3309, 28 January 1998, pages 448-459, XP001176676								
/J.P./		epresentation of A Video Shot was Springer-Verlag, UK, Vol. 5, No		ATTERN ANALYSIS AND ,, pages 296-305, XP002272153, I	SSN: 14				
/J.P./	COMMUNICATIONS A	ngs of the SPIE - The Internationa	SAN JOSE, CA,	al Motion Models", VISUAL 28-30 Jan. 1998, Vol. 3309, pages ical Engineering, 1997, SPIE-Int.					
/J.P./	Ben-Ezra et al., "Real-Time Motion Analysis with Linear Programming", COMPUTER VISION AND IMAGE UNDERSTANDING, ACADEMIC PRESS, SAN DIEGO, CA. US, Vol. 78, NO. 1, April 2000, Pages 32-52, XP004439285, ISSN: 1077-3142								
/J.P./	Peleg et al., "Panoramic Mosaics by Manifold Projection", COMPUTER VISION AND PATTERN RECOGNITION, 1997, PROCEEDINGS, 1997 IEEE COMPUTER SOCIETY CONFERENCE ON SAN JUAN, PUERTO RICO 17-1 June 1997, Los Alamitos, CA, USA, IEEE COMPUT. SOC., US, 17 June 1997, pages 338-343, XP010237545								
/J.P./	Ad-Hoc Group on Core Experiments on Error Resilience Aspects, "Description of Error Resilient Core Experiments", ISO-IEC JTC1-SC29-WG11 N1808, July 25, 1997, pages 1-32								
/J.P./	Costa et al., "A VLSI Architecture for Hierarchical Motion Estimation", IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, Vol. 41, No. 2, May 1, 1995, pages 248-257								
/J.P./	Irani et al., "Video Indexing Based on Mosaic Representations", Proceedings of the IEEE, Vol. 86, No. 5, May 1998, pages 905-921								
/J.P./	Vemuri et al., "Reliable a	nd Efficient Image Registration" vemuri97reliable, pages 1-6	, Technical Repor	t UF-CISETR97-019, Online! 199	77,				
/J.P./	International Court Day	ort - 3 September 2004							

*Examiner /James Pontius/ Date Considered 06/15/2009



R. Jones, D. DeMenthon, and D. Doermann. Building mosaics using mpeg motion vectors. In ACM Multimedia, M. Irani and P. Anandan. Video indexing based on mosaic representations. Proceedings of the IEEE, 86(5):905. P. Meer, D. Mintz, A. Rosenfeld, and D. Y. Kim. Robust regression methods for computer vision: a review. F. Hampel, E. Ronchetti, P. Rousseeuw, and W. Stahel. Robust Statistics. John Wiley & Sons Inc, 1986. P. J. Huber. Robust Statistics. John Wiley & Sons Inc, 1981.

References

P. Meer, C. V. Stewart, and D. E. Tyler. Robust computer vision: an interdisciplinary challenge. Computer International Journal of Computer Vision, 6(1):59-70, 1991

[2]

S. Peleg and J. herman. Panoramic mosaics by manifold projection. In IEEE Conference on Computer Vision and Meng and S. Chang. CVEPS - a compressed video editing and parsing system. In ACM Multimedia, 1996. Vision and Image Understanding, 78:1-7, 2000. Pattern Recognition, 1997.

M. Pilu. On using raw mpeg motion vectors to determine global camera motion. In SPIE Electronic Imaging Conference, San Jose, 1998.

P.J.Rousseeuw. Least median of squares regression. Journal of The American Statistical Association, 79:871. 880, 1984,

for MPEG-7 application. In IEEE International Conference on Image Processing, Vancouver, Canada, September [12] A. Smolic, M. Hoeynck, and J.-R. Ohm. Low-complexity global motion estimation from P-frame motion vectors H. Sawhney, S. Ayer, and M. Gorkani. Model-based 2D&3D dominant motion estimation for mosaicing and video representation. In IEEE International Conference on Computer Vision, Cambridge, MA, USA, 1995.

Y. Tan, D. Saur, and S. Kulkarni. Rapid estimation of camera motion from compressed video with application to video annotation. IEEE Transactions on Circuits and Systems for Video Technology, 10(1):133-146, 2000

/James Pontius/

06/15/2009